

ABSTRACT OF THE DISCLOSURE

The invention provides devices, systems and methods for use in compressing and/or pumping gases or vapors using a fluid ring pump. In one embodiment, a rotor is provided for being rotatably mounted eccentrically within a housing on a liquid ring pump. The rotor comprises an annular inner surface having a plurality of radial apertures and a plurality of walled cells. The walled cells project radially outward from the annular inner surface. A wall on each of the walled cells extend around at least one of the radial apertures.

446349_1.DOC